

MULTI-WHEEL-DRIVE VEHICLE WITH A FRONT TRANSAXLE DEVICE

ABSTRACT OF THE DISCLOSURE

A multi-wheel-drive vehicle has at least six wheels, a transmission with a first brake, and a transaxle device for the front drive wheels. The transaxle device includes a drive axle, an input shaft rectangular to the drive axle for receiving power from the transmission, a drive train connecting the drive axle to the input shaft, a second brake, and a clutch device in the input shaft. The drive axle may be a pair of drive axles connected by a differential unit. The clutch device can selectively isolate the drive axle from the rotation of the input device. Further, the clutch device is engaged when the first brake is applied. Additionally, the first and second brakes may be connected such that their operation may be synchronized.